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(541) 383-9310 FAX 382-7588

Work Order #: M105043

CLIENT: Bristol		INVOICE TO: Bristol												TURNAROUND REQUEST in Business Days*											
REPORT TO: Anne Krammewellen ADDRESS: Anchitha Island Atc.														Organic & Inorganic Analyses											
PHONE: 907 770-0974 FAX: 770-0975		P.O. NUMBER: 21090												STD. <table border="1"><tr><td>10</td><td>7</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td><1</td></tr></table>				10	7	5	4	3	2	1	<1
10	7	5	4	3	2	1	<1																		
PROJECT NAME: Anchitha		REQUESTED ANALYSES												Petroleum Hydrocarbon Analyses											
PROJECT NUMBER: 21090														STD. <table border="1"><tr><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td><1</td></tr></table>				5	4	3	2	1	<1		
5	4	3	2	1	<1																				
SAMPLED BY: ARK/crm														OTHER Please Specify											
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME		DRO	BTEX w/Aroclor									MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WORK ID								
1. 01AMRX12SL		5/30/01 1350		X	X									S	2	01AMD404SL									
2. 01AMRX13SL		5/30/01 1355		X	X									S	2	01AMD405SL									
3. 01AMRX14SL		5/30/01 1400		X	X									S	2	01AMD406SL									
4. Trip Blank		5/30/01 1405			X									S	1										
5.																									
6.																									
7. Samples changed to 01AMD404SL - 0654																									
8.																									
9.																									
10.																									
11.																									
12.																									
13.																									
14.																									
15.																									
RELINQUISHED BY: Charlie Mubell		FIRM: Bristol		DATE: 5/30/01 TIME: 1525				RECEIVED BY: Stephen Wilson				FIRM: NCA				DATE: 5-30 TIME: 1525									
RELINQUISHED BY:		FIRM:		DATE: TIME:				RECEIVED BY:				FIRM:				DATE: TIME:									
ADDITIONAL REMARKS: Tank D-4														TEM		PAGE OF									



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541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 05/30/01 15:25. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M105043



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 01:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMD404SL	M105043-01	Soil	05/30/01 13:50	05/30/01 15:25
01AMD405SL	M105043-02	Soil	05/30/01 13:55	05/30/01 15:25
01AMD406SL	M105043-03	Soil	05/30/01 14:00	05/30/01 15:25
Trip Blk 5/30/01	M105043-04	Soil	05/30/01 14:05	05/30/01 15:25

COC #43

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 01:17

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMD404SL (M105043-01) Soil						Sampled: 05/30/01 Received: 05/30/01			
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	05/30/01	05/31/01	0105069	
<i>Surr: 1-Chlorooctadecane</i>	<i>112 %</i>	<i>75-125</i>							
01AMD405SL (M105043-02) Soil						Sampled: 05/30/01 Received: 05/30/01			
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	05/30/01	05/31/01	0105069	
<i>Surr: 1-Chlorooctadecane</i>	<i>112 %</i>	<i>75-125</i>							
01AMD406SL (M105043-03) Soil						Sampled: 05/30/01 Received: 05/30/01			
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	05/30/01	05/31/01	0105069	
<i>Surr: 1-Chlorooctadecane</i>	<i>104 %</i>	<i>75-125</i>							

North Creek Analytical - Mobile Lab

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 01:17

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMD404SL (M105043-01) Soil					Sampled: 05/30/01 Received: 05/30/01				
Benzene	ND	0.0681	mg/kg dry	50	1B BTEX/MTI	05/30/01	05/30/01	0105068	
Toluene	ND	0.272	"	"	"	"	"	"	
Ethylbenzene	ND	0.272	"	"	"	"	"	"	
Xylenes (total)	ND	0.545	"	"	"	"	"	"	
Naphthalene	ND	2.72	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>94.4 %</i>	<i>50-150</i>							
01AMD405SL (M105043-02) Soil					Sampled: 05/30/01 Received: 05/30/01				
Benzene	ND	0.0551	mg/kg dry	50	1B BTEX/MTI	05/30/01	05/30/01	0105068	
Toluene	ND	0.220	"	"	"	"	"	"	
Ethylbenzene	ND	0.220	"	"	"	"	"	"	
Xylenes (total)	ND	0.441	"	"	"	"	"	"	
Naphthalene	ND	2.20	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>81.2 %</i>	<i>50-150</i>							
01AMD406SL (M105043-03) Soil					Sampled: 05/30/01 Received: 05/30/01				
Benzene	ND	0.0507	mg/kg dry	50	1B BTEX/MTI	05/30/01	05/30/01	0105068	
Toluene	ND	0.203	"	"	"	"	"	"	
Ethylbenzene	ND	0.203	"	"	"	"	"	"	
Xylenes (total)	ND	0.406	"	"	"	"	"	"	
Naphthalene	ND	2.03	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>80.2 %</i>	<i>50-150</i>							
Trip Blk 5/30/01 (M105043-04) Soil					Sampled: 05/30/01 Received: 05/30/01				
Benzene	ND	0.0741	mg/kg dry	50	1B BTEX/MTI	05/30/01	05/30/01	0105068	
Toluene	ND	0.297	"	"	"	"	"	"	
Ethylbenzene	ND	0.297	"	"	"	"	"	"	
Xylenes (total)	ND	0.593	"	"	"	"	"	"	
Naphthalene	ND	2.97	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>97.8 %</i>	<i>50-150</i>							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 01:17

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMD404SL (M105043-01) Soil					Sampled: 05/30/01 Received: 05/30/01				
% Solids	82.4	0.0100 % by Weight		1	Gravimetric	05/30/01	05/31/01	0105071	
01AMD405SL (M105043-02) Soil					Sampled: 05/30/01 Received: 05/30/01				
% Solids	84.7	0.0100 % by Weight		1	Gravimetric	05/30/01	05/31/01	0105071	
01AMD406SL (M105043-03) Soil					Sampled: 05/30/01 Received: 05/30/01				
% Solids	82.3	0.0100 % by Weight		1	Gravimetric	05/30/01	05/31/01	0105071	
Trip Blk 5/30/01 (M105043-04) Soil					Sampled: 05/30/01 Received: 05/30/01				
% Solids	100	0.0100 % by Weight		1	Gravimetric	05/30/01	05/31/01	0105071	

North Creek Analytical - Mobile Lab

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 01:17

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0105069 - 3545 ASE

Blank (0105069-BLK1)

Prepared: 05/30/01 Analyzed: 05/31/01

Diesel Range Organics ND 150 mg/kg wet

Surr: 1-Chlorooctadecane 7.43 " 6.25 119 75-125

LCS (0105069-BS1)

Prepared: 05/30/01 Analyzed: 05/31/01

Diesel Range Organics 1430 150 mg/kg wet 1250 114 75-125

Surr: 1-Chlorooctadecane 6.34 " 6.25 101 75-125

LCS Dup (0105069-BSD1)

Prepared: 05/30/01 Analyzed: 05/31/01

Diesel Range Organics 1450 150 mg/kg wet 1250 116 75-125 1.39 20

Surr: 1-Chlorooctadecane 6.48 " 6.25 104 75-125

Matrix Spike (0105069-MS1)

Source: M105038-21

Prepared: 05/30/01 Analyzed: 05/31/01

Diesel Range Organics 1770 150 mg/kg dry 1490 ND 114 60-140

Surr: 1-Chlorooctadecane 8.14 " 7.43 110 75-125

North Creek Analytical - Mobile Lab

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 01:17

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0105068 - MeOH Extraction

Blank (0105068-BLK1)

Prepared & Analyzed: 05/30/01

Benzene	ND	0.100	mg/kg wet
Toluene	ND	0.400	"
Ethylbenzene	ND	0.400	"
Xylenes (total)	ND	0.800	"
Naphthalene	ND	4.00	"

Surr: 4-BFB 2.50 " 2.50 100 50-150

LCS (0105068-BS1)

Prepared & Analyzed: 05/30/01

Benzene	2.14	0.0250	mg/kg wet	2.50	85.6	69-138
Toluene	2.20	0.100	"	2.50	88.0	53-151
Ethylbenzene	2.44	0.100	"	2.50	97.6	61-141
Xylenes (total)	6.82	0.200	"	7.50	90.9	62-141
Naphthalene	2.91	1.00	"	2.50	116	65-135

Surr: 4-BFB 2.60 " 2.50 104 50-150

North Creek Analytical - Mobile Lab

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
10/25/01 01:17

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
wet Sample results reported on a wet weight basis (as received)
RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M105043 FINAL 10 25 01 0117.mdb
			Default Report (not modified)
M105043-01	Solids, Dry Weight		Soil batched as Other dry
M105043-02	Solids, Dry Weight		Soil batched as Other dry
M105043-03	Solids, Dry Weight		Soil batched as Other dry
M105043-04	Solids, Dry Weight		Soil batched as Other dry